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Sub	stitute for form 1449A/PTO			Complete if Known		
Oub	state of form 1449A/FTO			Application Number	10/541,947	
I	NFORMATION DISC	OS	IIRF	Filing Date	12/12/2005	
l	STATEMENT BY APP			First Named Inventor	Petitte et al.	
	DIAIENIENI DI APP	LIC	ANI	Art Unit	1632	
(Use as many sheets as necessary)				Examiner Name	Michael C. Wilson	
Sheet 1 of 3		Attorney Docket Number	297/204 PCT/US			

	U.S. PATENT DOCUMENTS							
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where			
Initials*	Cite No.1	Number - Kind Code ^{2 (if known)}	MM-DD-YYYY		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	1	US-4,357,272	11-02-1982	Polson				
	2	US-2003/0111016	06-19-2003	Pardue				
	3	US-6,691,638	02-17-2004	Pardue et al.				
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	FOREIGN PATENT DOCUMENTS									
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Substitu	ite for form 1449B/PTO			Complete if Known		
				Application Number	10/541,947	
INF	ORMATION DISC	CI 09	SURF	Filing Date	12/12/2005	
	ATEMENT BY AP			First Named Inventor	Petitte et al.	
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(Use as many sheets as necessary)				Examiner Name	Michael C. Wilson	
Sheet	2	of	3	Attorney Docket Number	297/204 PCT/US	

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Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²				
	4	Buehr, "The Primordial Germ Cells of Mammals: Some Current Perspectives," Exp. Cell Res., Vol. 232, pgs. 194-207 (1997).					
	5	Carsience et al., "Germline chimeric chickens from dispersed donor blastodermal cells and compromised recipient embryos," Development, Vol. 117, pgs. 669-675 (1993).					
	6	Cooke et al., "A murine homologue of the human DAZ gene is autosomal and expressed only in male and female gonads," Hum. Mol. Genet., Vol. 5, pgs. 513-516 (1996).					
	7	Etches et al., "Manipulation of Blastodermal Cells," Poult. Sci., Vol. 76, pg. 1075 (1997).					
	8	Ginsburg & Eyal-Giladi, "Temporal and spatial aspects of the gradual migration of primordial germ cells from the epiblast into the germinal crescent in the avian embryo," J. Embryol. Exp. Morphol., Vol. 95, pg. 53 (1986).					
	9	Hay et al., "A Protein Component of Drosophila Polar Granules Is Encoded by vasa and Has Extensive Sequence Similarity to ATP-Dependent Helicases," Cell, Vol. 55, pgs. 577-587 (1988).					
	10	Houston & King, "A critical role for <i>Xdazl</i> , a germ plasm-localized RNA, in the differentiation of primordial germ cells in <i>Xenopus</i> ," Development, Vol. 127, pgs. 447-456 (2000).					
	11	Kagami et al., "The Developmental Origin of Primordial Germ Cells and the Transmission of the Donor-Derived Gametes in Mixed-Sex Germline Chimeras to the Offspring in the Chicken," Mol. Reprod. Dev., Vol. 48, pg. 501 (1997).					
	12	Karagenç et al., "Origin of Primordial Germ Cells in the Prestreak Chick Embryo," Dev. Genet., Vol. 19, pgs. 290-301 (1996).					
	13	Kimura et al., "Molecular Cloning and Genomic Organization of Mouse Homologue of Drosophila germ cell-less and Its Expression in Germ Lineage Cells," Biochem. Biophys. Res. Commun., Vol. 262, pgs. 223-230 (1999).					

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Signature	Considered	

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				Application Number	10/541,947	
INF	ORMATION DISC	21.09	SURF	Filing Date	12/12/2005	
STATEMENT BY APPLICANT				First Named Inventor	Petitte et al.	
				Art Unit	1632	
(Use as many sheets as necessary)				Examiner Name	Michael C. Wilson	
Sheet	3	of	3	Attorney Docket Number	297/204 PCT/US	

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	14	Lasko & Ashburner, "The product of the <i>Drosophila</i> gene <i>vasa</i> similar to eukaryotic initiation factor-4A," Nature, Vol. 335, pgs. 611-617 (1988).				
	15	Lee et al., "The role of the cell surface in the migration of primordial germ cells in early chick embryos: effects of concanavalin A," J. Embryol. Exp. Morph., Vol. 46, pg. 5 (1978).				
	16	Maeda et al., "Mortality, Size of the Gonads, and Ultrastructure of Primordial Germ Cell in Chick Embryos Treated with γ -Irradiation or Injected with Donor Cells," Poultry Sci., Vol. 77, pgs. 905-907 (1998).				
	17	Mita & Yamashita, "Gene expression pattern Expression of <i>Xenopus</i> Daz-like protein during gametogenesis and embryogenesis," Mech. Dev., Vol. 94, pgs. 251-255 (2000).				
	18	Mraz & Woody, "Egg Production in Hens Continuously Irradiated as Embryos," Radiation Res., Vol. 54, pgs. 63-68 (1973).				
	19	Swartz, "Response of Early Chick Embryos to Busulfan," Teratology, Vol. 21, pgs. 1-8 (1980).				
	20	Tajima et al., "Production of Germ-Line Chimeras by Transfer of Cryopreserved Gonadal Primordial Germ Cells (gPGCs) in Chicken," J. Exp. Zool., Vol. 280, pg. 265 (1998).				
	21	Watanabe et al., "Distribution analysis of transferred donor cells in avian blastodermal chimeras," Development, Vol. 114, pgs. 331-338 (1992).				
	22	Weidinger et al., "dead end, a Novel Vertebrate Germ Plasm Component, Is Required for Zebrafish Primordial Germ Cell Migration and Survival," Curr. Biol., Vol. 13, pgs. 1429-1434 (2003).				
	23	Xu et al., "A gene family required for human germ cell development evolved from an ancient meiotic gene conserved in metazoans," Proc. Natl. Acad. Sci. USA, Vol. 98, pgs. 7414-7419 (2001).				

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Signature	/Michael Wilson/	Considered	04/08/2011

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